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TITLE: ANTIMICROBIAL MATERIAL
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ABSTRACT:

PURPOSE: To obtain a new antimicrobial material using metallic ultrafine particles.

CONSTITUTION: This antimicrobial material is capable of manifesting antimicrobial performance in an extremely small amount due to the ultrafine particles, having <200nm particle diameter and dispersed in a base material. A typical method for preparing this antimicrobial material is to contain a metallic salt, etc., in a polymer which is the base material, then reduce the metallic salt according to heat treatment and prepare the ultrafine particles in the polymeric raw material. Since the antimicrobial performance is manifested with a low metallic content, this antimicrobial material can be

prepared at a low cost and the duration of the antimicrobial
performance is
long.

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